

US ARMY ENGINEER DISTRICT, SACRAMENTO  
CORPS OF ENGINEERS  
SACRAMENTO, CALIFORNIA

SPK-06410  
December 1988

TO: Architect-Engineers and District Personnel:

1. This is Sacramento District Instruction SPK-06410, CASEWORK, dated December 1988.
2. The attached revised guide specification supercedes the previous guide, SPK-6A, dated January 1987, and is for use in the preparation of project specifications.

NOTE: A-E's should read all the TECHNICAL NOTES located at the beginning of this guide specification and edit the specification accordingly.

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## GENERAL NOTES

1. This guide specification is to be used in the preparation of contract specifications in accordance with the Sacramento District Specifications Manual. It will not be made a part of a contract merely by reference; pertinent portions will be copied verbatim into the contract documents.
2. Where numbers, symbols, words, phrases, clauses, or sentences in this specification are enclosed in the following manner ]    ], a choice or modification must be made; delete inapplicable portion(s) carefully. Where blank spaces occur in sentences, insert the appropriate data. Where entire paragraphs are not applicable, they should be deleted completely.

## TECHNICAL NOTES

- A. The section number will be inserted in the specification heading and prefixed to each page number.
- B. Paragraph 1: The listed designations for publications are those that were in effect when this guide specification was being prepared or updated. To minimize the possibility of error, the letter suffixes, amendments, and dates indicating specific issues should be retained in Paragraph 1 and omitted elsewhere in the project specification.
- C. Paragraph 5.1: Economy grade shall be specified for use in storage rooms and utility areas. Custom grade shall be specified for use in general cases. Premium grade shall be specified for use in hospitals and monumental buildings. Table I shall be included in the specifications. Each "item" listed in the table shall be identified by exactly the same nomenclature as shown on the drawings.

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D. Table I. Describe each casework item by exactly the same nomenclature shown on the drawings. Indicate the room in which the casework item is located. AWI and WIC quality grade, type of construction, type of finish, and countertop requirement shall be specified by placing an "X" in the appropriate square. AWI and WIC does not allow economy grade for casework to receive laminated finish or high pressure laminated countertops. Specie of wood shall be indicated under column heading "EXPOSED PARTS". For opaque finishes, AWI and WIC premium and custom grades require the designer to select particle board, overlay plywood, or hardwood plywood for exposed parts. Rotary fir is allowed only in economy grade.

E. General: Ordinarily, cabinet arrangements indicated on floor plans will be supplemented only by cabinet elevations graphically indicating shelving arrangement and hardware location. Small scale section will be shown only where required information cannot easily be shown on elevations. Details of construction and materials (such as shelf material, thicknesses, etc.), will NOT be shown.

F. WIC is applicable to projects in California and Nevada.

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SECTION 06410

CASEWORK

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## SECTION 06410

### CASEWORK

#### PART I- GENERAL

1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1 American National Standards Institute (ANSI) Standards:

A 156.5-1984                      Auxiliary Locks, and Associated Products.

A 156.9-1982                      American National Standard for Cabinet Hardware.

1.2 American Society for Testing and Materials (ASTM) Standards:

E 84-84                              Surface Burning Characteristics of Building Materials.

1.3 Architectural Woodwork Institute (AWI) Publications:

Architectural Woodwork Quality Standards, Guide Specifications, and Quality Certification Program, 1978 Edition,

1.4 National Electrical Manufacturers Association (NEMA) Standard:

LD 3-1980                              High Pressure Decorative Laminates

1.5 Woodwork Institute of California (WIC):

Manual of Millwork, 1986 Edition

2. GENERAL: Work includes special fabricated cabinet units, countertops, [prefinished surfaces] [preparation for site finishing] and preparation for utilities. Casework shall conform to A.W.I. [and W.I.C.] quality standards. Casework grade, species, construction, finish and countertop material shall be as indicated in Table 1 attached at the end of this section.

2.1 W.I.C. standards: All millwork shall be manufactured in accordance

with the standards in the latest edition of the Manual of Millwork of the  
Woodwork Institute of California in the grade or grades hereinafter specified  
or shown on the drawings.

2.2 W.I.C. Certification: Before delivery to the jobsite, the millwork supplier shall issue a W.I.C. Certified Compliance Certificate indicating the millwork products he will furnish for this job and certifying that they will fully meet all the requirements of the grade or grades specified. The shop drawings for the casework shall bear the W.I.C. Certified Compliance Grade Stamp indicating the grade or grades specified. Each unit of casework shall bear the W.I.C. Certified Compliance Guide Stamp indicating the grade specified. Each plastic laminate countertop shall bear the W.I.C. Certified Grade Stamp indicating the grade specified.]

### 3. SUBMITTALS:

3.1 Shop Drawings: Shop drawings shall be submitted for approval in accordance with the requirements of shop drawings in the SPECIAL CLAUSES. Drawings shall show each type of cabinet and related items and shall clearly indicate the complete layout of the cabinets and accessories.

3.1.1 Casework, including laminated plastic tops or facings, shall include the following:

A. Indication of materials A.W.I. ]and W.I.C.] grades.

B. Scale plan or plan section of each item, showing location.

C. Scale elevations.

D. Scale and/or full size sections to clarify special conditions, means of attachment, etc. Cabinet sectional details illustrated in this Manual need not be drawn on the shop drawings if referenced to the manual by Detail number and page.

E. Fixed dimensions, with provision for insertion of field dimensions.

F. The following items, when a part of the millwork contract shall be shown and/or described:

1. Hardware, showing location and schedule.

2. Metal Work, with details and locations.

3. Glass, showing installation.

4. Finishing or plastic overlays.

5. Erection methods and fastenings.

4. CARS AND STORAGE OF CASEWORK: All casework shall receive the following care, storage and attention prior to installation by the contractor.

4.1 Delivery: Casework shall not be delivered to the jobsite until all  
[plaster] and [concrete] work is dry and the building is closed to the elements.

4.2 Storage: Casework shall be stored in a clean, well ventilated area, stacked neatly, protected from direct sunlight, excessive heat, rain or mist. Relative humidity should be approximately 50% to 55% at 70 degrees F.

4.2.1 Casework shall be handled carefully and set or stored on a level floor. Care shall be taken to protect the exposed finished portions from bumping, scratching, etc. Casework shall not be used for "work benches: or convenient places to store other materials.

4.2.2 Plastic tops shall be stacked flat if possible, at least four inches off the floor, with a protective covering under the bottom unit, and covered on top to protect surfaces from scratching. Strips of wood or other suitable materials shall be placed between tops. If tops are fully-formed or have splashes attached, extreme care shall be taken to prevent breaking. Never stand or stack plastic tops on end against a wall where they can be broken or damaged by falling.

## PART 2 - PRODUCTS

5. GENERAL REQUIREMENTS FOR CASEWORK: Casework shall be factory fabricated conforming to AWI [and WIC] quality standards, and the additional requirements specified herein.

5.1 Casework: [Conventional] [Laminated Plastic Covered].

5.1.1 Grade: (Economy) (Custom) (Premium).

5.2 Door and Drawer Construction:

5.2.1 [Flush overlay] [Reveal overlay] [Flush].

5.3 Finish: [Casework finish shall be transparent [natural] accomplished in accordance to AWI [and WIC] recommended procedure. [Casework finish shall be opaque (painted). See SECTION: PAINTING GENERAL] [Exposed surfaces other than countertops shall be faced with decorative high-pressure laminated plastic sheets a minimum of .028" in thickness, or low-pressure decorative polyester overlay as specified in A.W.I [and W.I.C.].

5.4 Laminated Plastic Tops:

5.4.1 Countertops shall have [self edge] [no drip bullnose] [no drip tilt edge] or [rolled edge]. [Back splash shall be cove back splash, square butt end splash] [Top shall be fully formed], height as shown. Color shall be as

indicated in color schedule on drawings. Laminated thermosetting decorative sheets shall conform to NEMA LD 3.

5.4.2 Sink rims: shall be provided when required for the type sink specified in SECTION: PLUMBING, GENERAL. Rims shall be the standard product of a manufacturer regularly producing sink rims, and shall be fabricated from corrosion-resistant steel.

6. CASEWORK HARDWARE: All cabinet hardware shall be furnished and installed by the casework manufacturer.

6.1 Hardware Finish: Hinges and pulls shall be provided with a ]dull bronze] ]satin aluminum, anodized] ]chromium plated, dull] finish.

6.2 Casework Hardware: Casework hardware of the following types shall conform ANSI A 156.5, Auxillary Locks, and ANSI A 156.9, Cabinet Hardware, as applicable.

6.2.1 Drawer Slides: ANSI A 156.9, Type ]B84072] ]or] ] ]. Shelf Standards shall be provided for shelves indicated to be adjustable.

6.2.2 Shelf Standards and Brackets: ANSI A 156.9, Type ]B84072] ]or] ] ]. Shelf standards shall be provided for shelves indicated to be adjustable.

6.2.3 Hinges: ANSI A 156.9, ]Type ].

6.2.4 Catches: ANSI A 156.9, Type ]B43171] ]or] ] ].

6.2.5 Pulls: ANSI A 156.9, Type ]B32012] ]or] ] ].

6.2.6 Cabinet Locks: ANSI A 156.5, ]Type ]. Locks shall be provided for .

7. PAINTING: At the option of the Contractor, cabinets may be factory finished or field finished, both in conformance to AWI ]and WIC].

### PART 3 - EXECUTION

#### 8. INSTALLATION:

8.1 Counters: Constructs approximately as indicated. Conceal fastenings where practicable, fit the counter neatly, install in a rigid and substantial manner, and scribe to adjoining surfaces. Provide counter sections in the longest lengths practicable; keep joints in tops to a minimum; and where joints are necessary, provide tight hairline joints drawing up with concealed-type heavy pull-up bolts. Glue joints with water-resistant glue and, in addition, make rigid and substantial with screws, bolts, or other approved fastenings.

8.1.1 Cabinets: Install level, plumb, and tight against adjacent walls.

Secure cabinets to walls with concealed toggle bolts, and secure top to cabinet with concealed screws. ]Make cut-outs for fixtures to templates supplied by fixture manufacturer. Carefully locate cut-outs for pipes so that edges of holes will be covered by escutcheons.]



9. CONSTRUCTION QUALITY CONTROL: Attention is directed to SECTION: CONSTRUCTION QUALITY CONTROL which requires the Contractor to perform quality control inspection, testing, and reporting.

\* \* \* \* \*

- REMINDER -

Located at the front of these specifications are the Contract Clauses, Special Clauses and Division I GENERAL REQUIREMENTS of the Technical Specifications, which apply to every aspect of this contract including the work in this section whether performed by Prime Contractor, subcontractor, or supplier.